



Remote Sensing Applications Division (RSAD)

CDR Program Office

Weekly Report for Jan 25, 2013
Jeff Privette, Acting Chief

PREDECISIONAL DRAFT INFORMATION

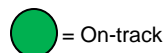
IOO Transition Status – Jan 25, 2013

		Assessment		Deliver Drafts						Review and Provide Feedback						Deliver Final Versions						Misc		Archive			Release		
	CDR	Assemble IPT	Perform Assessment	Deliver source code sample and README draft	Deliver Flow Diagram Draft	Deliver C-ATBD Draft	Deliver Maturity Matrix Draft	Deliver Sample netCDF dataset	Deliver SA Draft	Provide feedback on source code and README	Provide feedback on Flow Diagram Draft	Provide feedback on C-ATBD Draft	Provide feedback on Maturity Matrix Draft	Provide feedback on Sample netCDF dataset	Provide feedback on SA Draft	Deliver final source code and README	Deliver final Flow Diagram	Deliver final C-ATBD	Deliver final Maturity Matrix	Deliver final netCDF dataset	Deliver final SA	Create Collection Level Metatdata	Conduct Security Review	Archive Code Package	Archive Docs	Archive Data	Put dataset on THREDDS access server	Put data, docs, and code on web page	Conduct ORR
1	UAT 4Layer MW RSS	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	30-Jan	25-Jan	30-Jan	25-Jan	5-Feb	5-Feb	7-Feb
2	Vegetation Bundle	x	17-Jan																										
3	Cryosphere Bundle	x	x																										
4	Solar Irradiance Bundle	x	1-Jan																										
5	PERSIANN precipitation	x	x		x	x	x					22-Jan																	
6	Atmos Temp Bundle (MSU/ AMSU/SSU)	x	x																										
7	Ocean Surface Bundle	x	1-Jan																										
8	Cloud/ Moisture Bundle	x	31-Jan																										
9	OISST	x	x	x	x		x	x	x					x							x							x	x
10	MSU/AMSU Temp Suite	x	1-Jan																										
11	ISCCP	x	17-Jan																										
12	MW Imager SSM/I(S)	x	x		x	x		x						x															

Notes:

- 1) Security unable to run tools on code; PI sent Ancillary files with descriptions (need to update C-ATBD); ORR – tentative date Feb 7
- 2) Assessment completed Jan 17 - need decision on how to proceed
- 4) Discussions needed between PI and CDRP about his proposal and any delivery
- 5) Sent feedback on C-ATBD, CDRP met to discuss CIR label/options
- 7) PI plans to deliver all CDR parts for Ver 2.0, “but not within the time/\$ constraints of the original proposal” Estimated completion - Nov 2013
- 8) PI sent some items, scheduled assessment for Jan 31.
- 10) PI requested 1 year extension; no assessment items available, mainly due to delay in CDAAC's processing/re-processing/validation activities

PREDECISIONAL DRAFT INFORMATION



= On-track



= Potential management action required



= Management attention required

Other CDR Discussion Items

- **Initial Assessments in progress**
 - Most of the PIs sent items for assessment
 - (Solar Irradiance and Ocean Surface bundles) don't have any items to submit for assessment.
 - **ISCCP update/discussion and Vegetation Assessment completed on Jan 17**
 - Cloud/Moisture bundle assessment Scheduled for Jan 31
- **Reviewing/modifying OISST CDR Fact Sheet (template) for compliance with latest guidance:**
 1. History/background
 2. Users/apps
 3. Data sources (or inputs)
 4. Temporal/spatial info
 5. Data access
 6. Update frequency
 7. Documentation info (CATBD, flow chart, maturity matrix)
 - **One pager or poster versions (minimal text, maximum graphics):** Users/apps
 1. Data sources
 2. Temporal/spatial
 3. Data access info
 4. Update frequency
 5. Product images

Created two sample flyers (OISST, SCE), sent them to Graphics, they said any public release goes through:

 - 1) **Technical writer (Susan Osborne) – Better to get content from the TMs, they would know best.**
 - 2) **Copy Editor (Regina) – Spell Check**
 - 3) **Graphics – Pretty up, add NOAA banner/logo**
 - 4) **PA (Katy) – Approval to release**

SCHEDULE OF DELIVERABLES - CDRP 2012 O&M Contracts and Grants

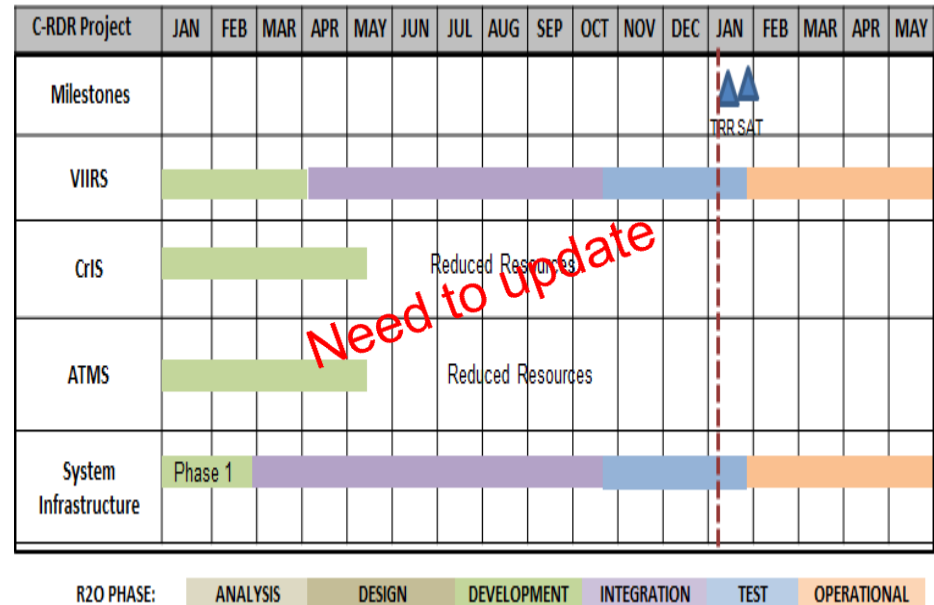
Name of PI/Institution	Applications	Implementa tion Plan	Main Update	Routine updates	QA Tools/Process	IP License	CDRP action required?
Christy, J./UAH	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	11/7/2012	To be coordinated with CDRP, new version - should deliver Aug/Sep	Monthly/8th day of the succeeding month - once delivered	N/A due to new version	YES	YES - CH start the CCB process (in a couple of months)
Evans, B./UM (CICS-NC)	- <i>El Nino/La Nina Prediction</i> - <i>Coral Reef Monitoring</i> - <i>IMPACT</i>	9/12/2012	Undergoing final QC at NODC	Monthly/10th day of the succeeding month	NCDC will not be performing QA	NO	YES - CH (monitor progress with needed changes in the SA)
Heidinger, A./NOAA-STAR	- <i>Global Cloud Coverage</i> - <i>Agriculture Assessment</i>	8/16/2012	Will be delivering entire POR re-processed in netCDF format	Daily/Within 7days of the observation date	9/1/2012	N/A	YES - CH (monitor progress with needed changes in the SA)
Ho, B./UCAR	- <i>Upper Air Climate Monitoring</i> - <i>GPS Accuracy</i>	11/5/2012	To be coordinated with CDRP, new version	Quarterly/10th day of the month following the end of the quarter	12/17/2012	YES	YES - CH (- monitor progress with needed changes in the SA - begin CCB process when PI is ready)
Mears, C./RSS (CICS-NC)	- <i>Atmospheric Temperature Profiles</i> - <i>Numerical Weather Prediction</i>	10/30/2012	IOC TBD	Once transitioned: Monthly/8th day of the succeeding month	12/15/2012	YES	NO
Meier, W./U of CO	- <i>Arctic Shipping Routes</i> - <i>Wildlife Management</i> - <i>IMPACT</i>	11/1/2012	3/31/2013	Quarterly/within 30days of each RSS data delivery	12/1/2012	YES	YES - what do we do with his QA tool submission?
Robinson, D./Rutgers	- <i>Climate Monitoring</i> - <i>Water Resource Management</i>	10/11/2012	N/A	Monthly/5th day of the succeeding month	11/10/2012	YES	YES - what do we do with his QA procedure submission?
Wentz, F./RSS (CICS-NC)	- <i>Precipitation Patterns</i> - <i>Hurricane Intensity Estimates</i>	11/1/2012	To be coordinated with CDRP, new version	Monthly/10th day of the succeeding month	N/A due to new version	YES	YES - CH/HS continue with the CCB process once Wentz is ready to deliver
	RECEIVED						
	OVERDUE						

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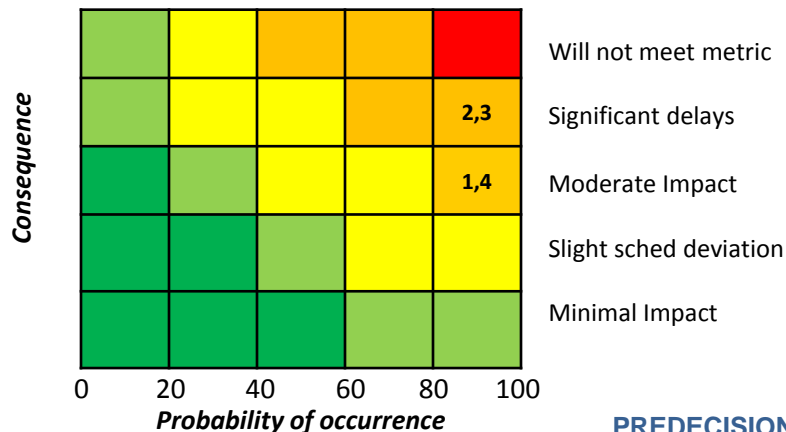
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – January 25, 2013

- ① **VIIRS**
 - Completed code for C-RDR and Support Data..
- ② **CrIS**
 - Postponed.
- ③ **ATMS**
 - Postponed.
- ④ **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - Working with ITB to define how to move C-RDR through Blade Center three tier environment.
 - Formalizing OB process to transition through the tiers. First product to follow the process.
 - Completed draft the System Acceptance Test procedure.
 - Completed Verified RDR comparator and verified first C-RDR.
 - Integrating: Ingest data from CLASS and producing C-RDRs.
 - Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

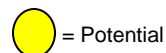
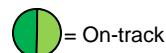
- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.

PREDECISIONAL DRAFT INFORMATION

1/28/2013



= On-track

= Potential management action required

= Management attention required

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OISST Research to Operations Project

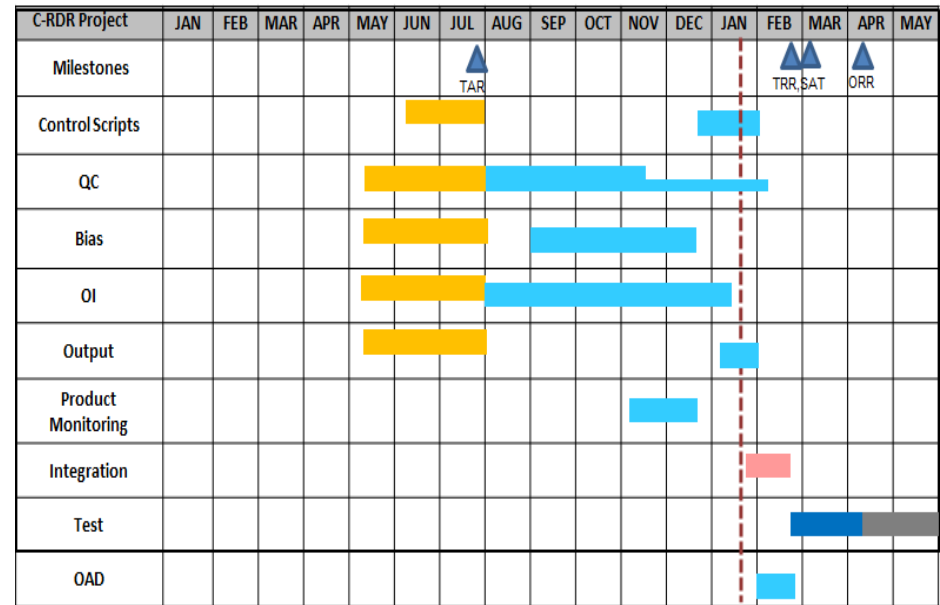
Weekly Report – January 25, 2013

1 OISST – Optimum Interpolated Sea Surface Temperature

- Consolidating control scripts.
- Refactoring code (QC, output, control scripts).
- Created a SOP for operational OISST.
- Updated schedule – resource reduction and slip.
- Conducted Bias, OI main code review.
- Integrated a common logging utility and identified log levels.
- Investigating the use of SPEC for product monitoring.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
- Conducted Technology Assessment Review July 25.

Operations:

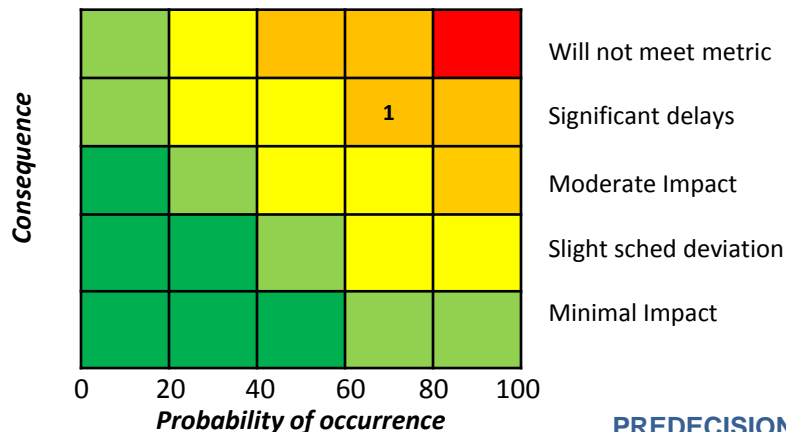
- Updated and tested scripts to handle new sea ice data format.



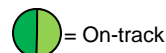
R2O PHASE:

ANALYSIS DESIGN DEVELOPMENT INTEGRATION TEST OPERATIONAL

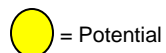
Risk Matrix



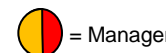
PREDECISIONAL DRAFT INFORMATION



= On-track



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= Management attention required

Risk and Mitigation

Resource availability for performing the transition.

Configuration Management (CM) process not defined for operations.

No Quality Assurance team available.

Modifying existing software for internal software changes. Product output must remain unchanged for users.

Common infrastructure for operations is not fully defined.

OISST processing will be on a 64 bit architecture.



CDR Program Office

GST FY13 5.0 Support NCDC Algorithm Assessment

Weekly Report – January 25, 2013

1. IOC to FOC / Software Rejuvenation Decision

- No additional questionnaire responses since January 11.
- Presented results to date at FY13.B Sprint Review January 11.

2. IOC to FOC Software Cost Estimation

- Comparing costs estimated from the CDRP Parametric Cost Model, the Algorithm Rejuvenation White Paper, and the COCOMO II model.

3. OAD Template

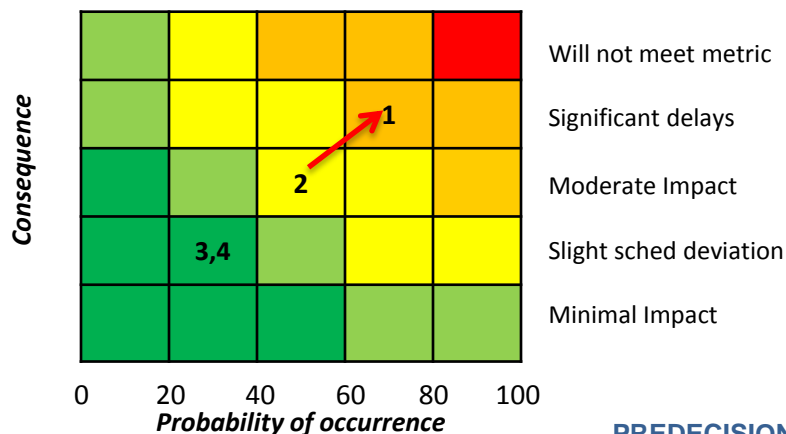
- Work in progress to finalize template by Feb 8.

4. ORR Checklists for IOC (update) and FOC (new)

- Scheduled in current Sprint FY13.C, which ends Feb 8.

Algorithm Assessment		N	Dec					Jan					Feb					Ma
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			24-30	1-7	8-14	15-22	23-29	30-4	5-11	12-18	19-25	26-1	2-8	9-15	16-22	23-1	2-8	9-15
Sprint	Principal Focus																	
A	Candidate Selection																	
B	Candidate Selection																	
C	Support for DISST FOC transition																	
D	TBD																	
E	TBD																	
F	TBD																	
G	TBD																	
H	TBD																	
I	TBD																	

Risk Matrix



Top Risks and Mitigation

R8. Personnel on task at maximum work load

- With FY12 budget cuts to the CDRP the personnel still engaged on this task are at maximum work level. More budget challenges could result in the loss of the remaining key personnel and jeopardize the completion of this task.

R10. No sustainable commitment for independent Quality Assurance

- QA will be performed by team. Risk is that this work will not be performed as well as it would be by an experienced, independent QA expert.

RXX. Delays in receiving responses to the seven evaluation criteria will delay the IOC to FOC decision making process.

Risk list to be updated next sprint (FY13.C)

PREDECISIONAL DRAFT INFORMATION



CDR Program Office

Integrated Marine Protected Area Climate Tools (IMPACT)

Weekly Report – January 23, 2013

Weekly activities

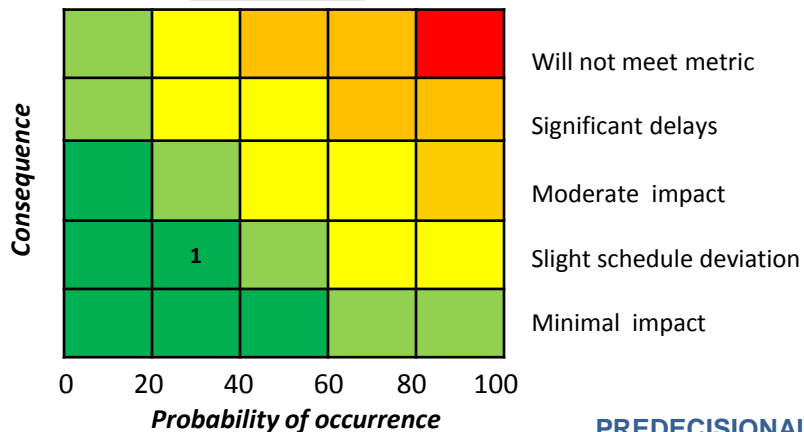
- Developing a preliminary requirements list based on customer reactions to the IMPACT demos.
- Reviewing current CDR data access methods.

Future Enhancements under consideration

- Include a user interface for data sub-setting
- Quad-display feature
- Provide analysis feature
- Improve graphical user interface
- Include a time-series function (trending, min/max, etc.)
- Provide ability for users to include local in-situ data for analysis

Prototyping Schedule (**currently being updated**)

Risk Matrix



Risk and Mitigation

● 1- Limited resources

● No change ↑ Increasing Risk ↓ Decreasing Risk

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